DISTRIBUTED ISSUANCE SOLUTIONS

ALEŠ KEPKA
REGIONAL COMMERCIAL SALES MANAGER CEE

SECURE ISSUANCE ANYWHERE

DatacardGroup

COMPANY OVERVIEW

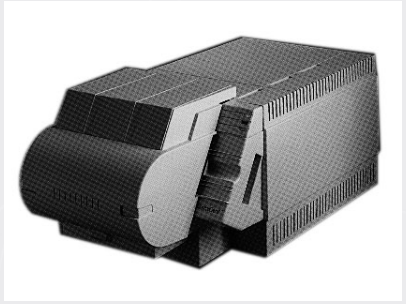
- World leader in personalization of financial cards, passports, identification cards and other secure documents
-
- Preferred partner for financial institutions and government agencies for 40+ years
- Privately held with revenues of $600M+
- and 2,000+ employees worldwide
- Service and support in 140 countries

DATACARD HERITAGE

In 1970 Datacard created the world's first high speed credit card personalization system

In 1986 Datacard created the first desktop card printer

Hundreds of patented innovations have followed to serve the needs of our customers



SP25+

SECURE ISSUANCE ANYWHERE

DatacardGroup

SP25 PLUS OVERVIEW

Affordable

- Low cost helps with initial capital investment
- Lower supply yields, reducing upfront supply costs
- Rewritable cards are reusable

Flexible

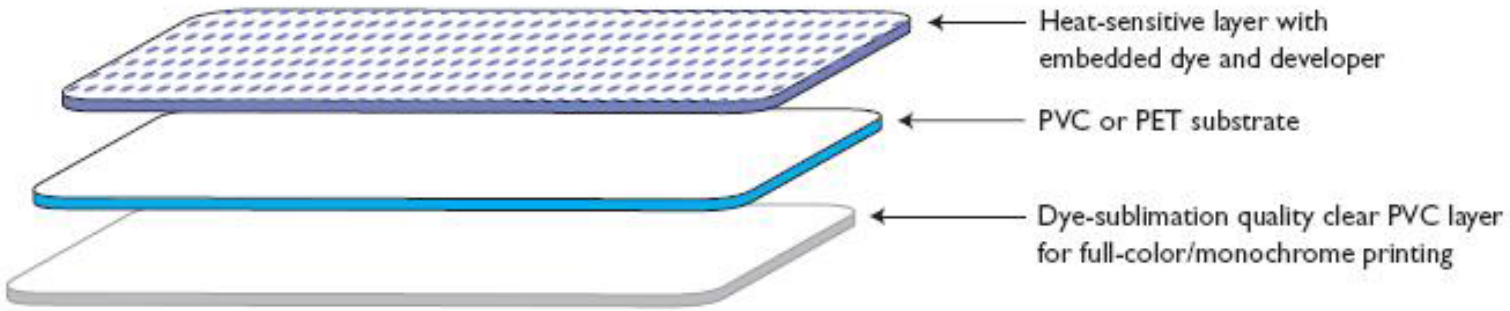
- Color/monochrome printing or rewritable card printing or both
- Compact and lightweight design allows for easy mobility

Convenient

- Colour and Mono Supplies
- 100 Card input and 20 card output located in the front of the printer for easy access

REWRITE TECHNOLOGY OVERVIEW

- Rewriting is possible due to a special rewritable card stock that features a layer of heat-sensitive material which overlays a conventional PVC or PET substrate.


Heat-sensitive layer with embedded dye and developer
PVC or PET substrate
Dye-sublimation quality clear PVC layer for full-color/monochrome printing

In rewritable card printing applications, a printhead applies heat that activates a dye within the card, which creates a visible dot.

- Embedded within the heat-sensitive layer are unique dye and developer that chemically bond when heated to a specific temperature and rapidly cooled.

DATACARD® SD SERIES CARD PRINTERS

SECURE ISSUANCE ANYWHERE

DatacardGroup

MEET THE FAMILY

- **SD260 & SD260L**

  One-sided, edge-to-edge printing; manual duplex printing; mag stripe encoding and optional smart card personalization with SD260L

- **SD360**

  One- or two-sided, edge-to-edge printing; mag stripe encoding; smart card personalization

- **SD460 NEW**

  One- or two-sided, edge-to-edge printing; mag stripe encoding; smart card personalization with single or dual side lamination

KEY FEATURES

- **Front Hopper loads easily, features plenty of room for cards**
  - Input Hopper: 100 cards
    - Optional Extended Input Hopper: 200 cards
  - Output Hopper: 25 cards
    - Optional Extended Output Hopper: 100 cards
- **Print Speed**
  - Full-color printing: up to 200 cards per hour, one-sided; up to 155 cards per hour two-sided
  - Monochrome printing: up to 830 one-sided cards per hour
- **Competitive Warranties**
  - Printer: 30-month standard depot warranty
  - Print Head: 30-month warranty (no pass restrictions)

KEY FEATURES

- **Robust XPS Printer Driver**
  - User-adjustable image and color controls
  - Color image and test card preview
  - Pre-set area to block printing on magnetic stripe, with bitmaps and escapes for custom blocking areas
  - Windows XP, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008, Windows Server 2012
  - Printer Pooling
  - Printer Sharing

- **User-Friendly Operations**
  - Easy, fast installation
  - Operator-replaceable printhead
  - Easy-to-use card clearing operation
  - Printer messages display on LCD panel

SD OPTIONS

- **Mag Stripe**
- **Smart Card Options**
  - Single Wire Contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B
  - Loosely Coupled Contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B
  - iCLASS® by HID, read/write encoder or read-only
  - PC Prox by HID, read-only
  - Basic Integrator option for 3rd party OEM Contactless only readers (encoder not included)
  - Contact Station option for 3rd party OEM Contact only readers (encoder not included)
- **Manual or Auto feed**
- **End User upgradeable 200 Input Hopper**
- **End User upgradeable 100 Output Hopper**
- **Kensington Lock**
- **Open Card (SD360)**
- **Clear Card – SD260 only currently**

DATACARD® SD460 CARD PRINTER

What's NEW!

Tactile Impression Feature

New Overlays

Debow System

Faster Throughput

Color Coded Cassettes
and Supply Cores

PROTECT YOUR PEOPLE, PROGRAM & INVESTMENT

TECHNOLOGY DESIGNED FOR WIDE RANGE OF INDUSTRIES AND NEEDS

Financial

Commercial

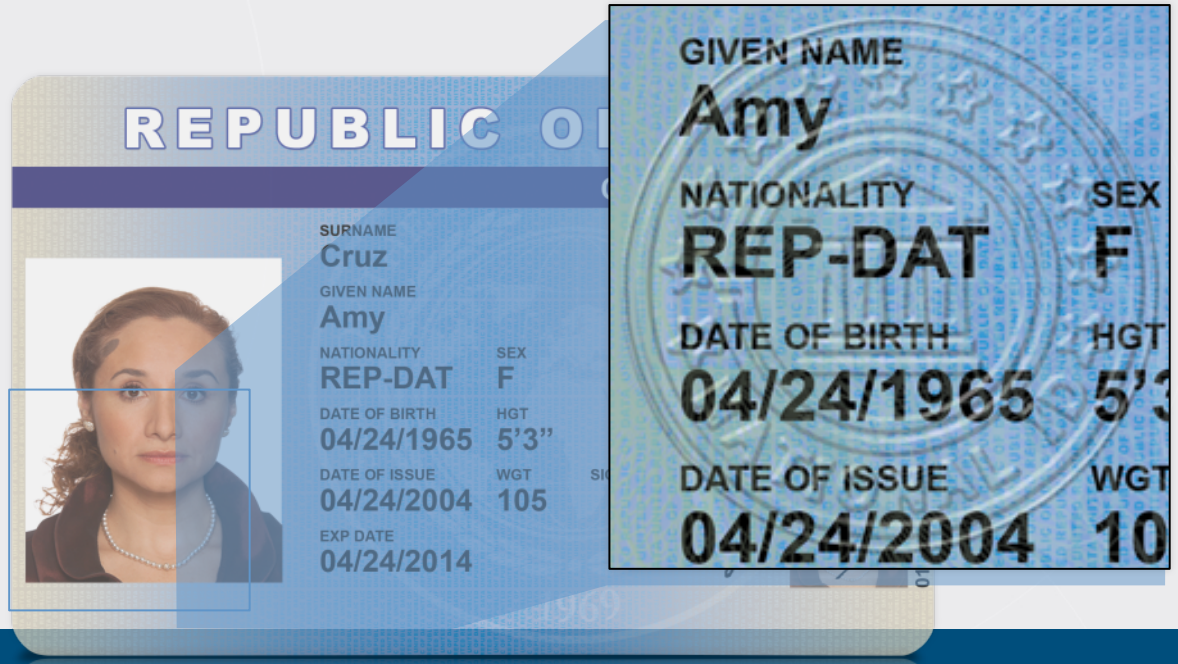
National, State and Local Government

THE SCIENCE OF SECURITY – TACTILE IMPRESSION FEATURE

A TRUE INDUSTRY FIRST

Groundbreaking, economically priced security feature to help prevent alteration & counterfeiting

- Tactile Impresser (Hardware)
- Tactile Impression Die (Supply)



Example of potential tactile impressions

THE SCIENCE OF SECURITY – TACTILE IMPRESSION FEATURE

Increase security for your card program

- Impression feature visibly alters card and laminates; displays tamper evidence if removal of patch is attempted
- Generic 1”(2.54cm) die for standard applications-several designs to choose from
- Custom 1”(2.54cm) die for additional security- great entry level security program
- True flexibility to add custom overlays along with tactile feature to enhance security of card program

THE SCIENCE OF SECURITY – TACTILE IMPRESSION FEATURE

- Two components to Tactile Impression Feature:
  - Tactile Impresser (Hardware)
  - Tactile Impression Die (Supply)

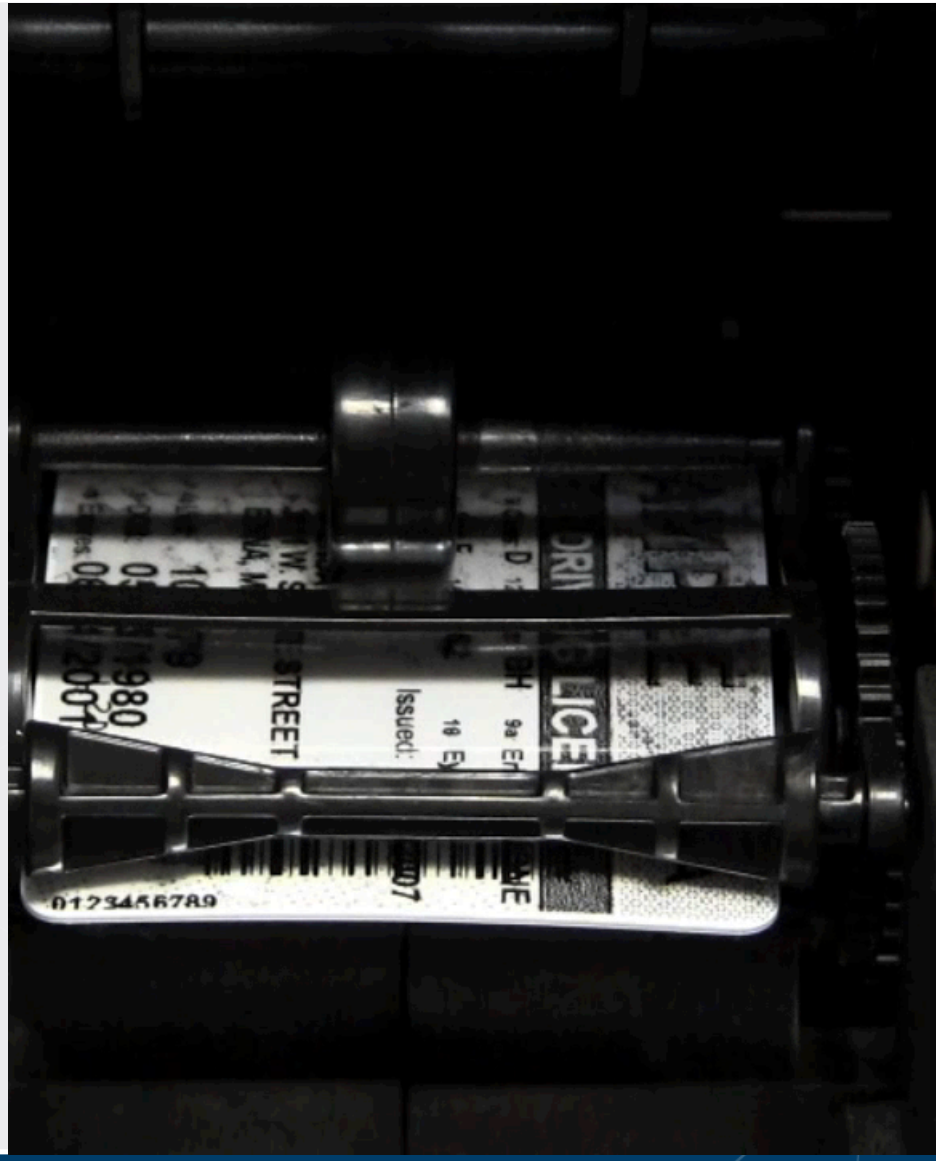
- Economically priced generic and true custom tactile impression die designs available
  - Origination Process similar to custom laminate program
  - Details will be available in Datacard® Certified Supplies Custom Impression Die Guide and Order Form
  - Capability to develop impressions with mixture of text and logos and in various degrees of complexity

- Additional information will be available in early December

CARD DEBOWER

DEBOW FEATURE TO MEET SPECIFIC ISO STANDARD

- Industry first integrated feature!
- Delivers flatter cards, greatly improving the aesthetics of the card
- Meets ISO standard-7810



INCREASED PRODUCTIVITY

SD460

- Up to 200 cards per hour front side YMCK ribbon with front side lamination
- Up to 185 card per hour front side YMCK ribbon with front side lamination and tactile impression
- Up to 175 cards per hour front side YMCK-K ribbon, back side K with front side lamination
- Up to 150 cards per hour front side YMCK-K ribbon, back side K with front side lamination and tactile impression

LAMINATION REINVENTED

VERSATILE INLINE LAMINATION

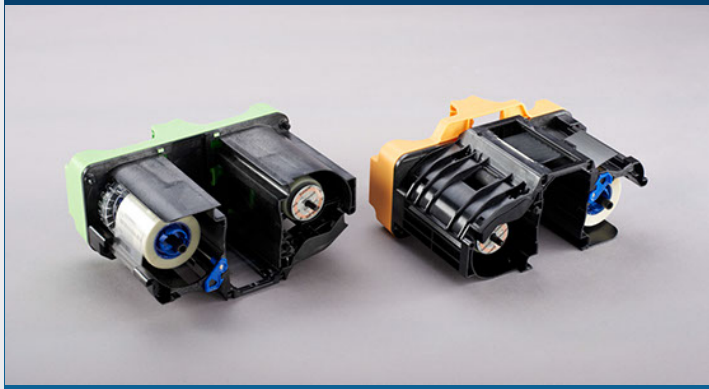
Supports multiple material types and configurations

- Single laminator for front and back lamination
- Dual laminator, to allow different types of overlays
- Easy supply loading, different color cartridges
- Fail-safe loading of lamination supplies through color coded spindles and supply cores

ACCOMODATES A RANGE OF OVERLAYS

- Topcoats
- Polyester patches (DuraGard®)
- New Datacard® DuraShield™ overlay (for use with color ribbons containing T panel)

See product guide & price pages for entire range and price

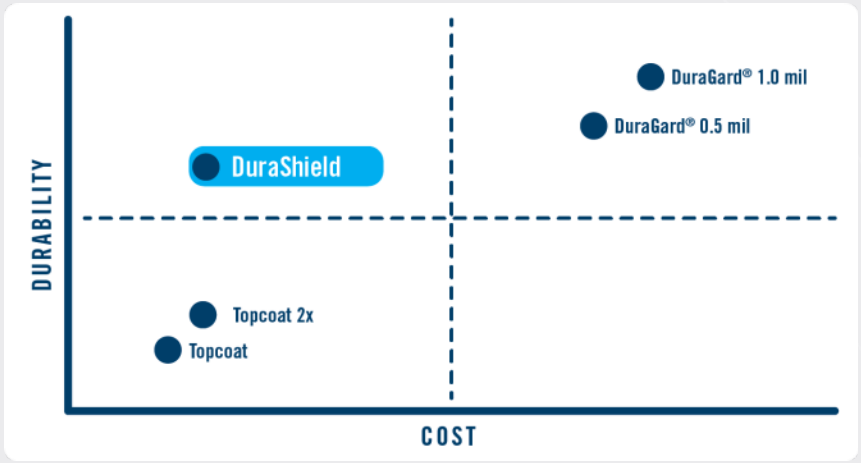


SCIENCE OF DURABILITY AND OPTIONAL SECURITY
NEW DURASHIELD™ OVERLAY

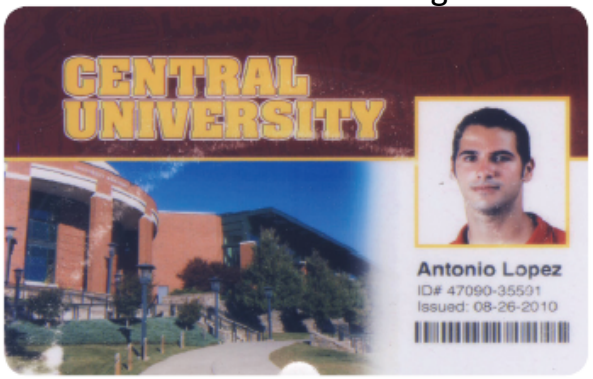
UNIQUE COMBINATION

The only solution for long-lasting strength and exceptional affordability

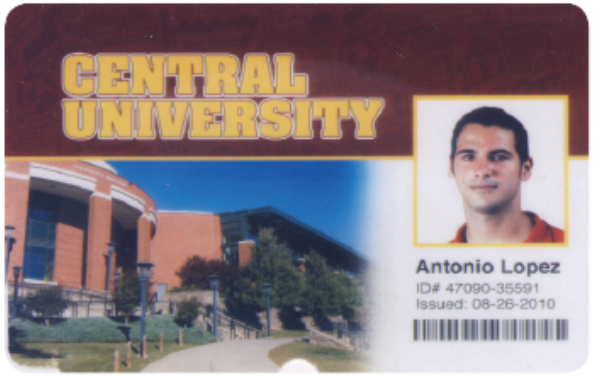
- **More Durable.** 4x the protection of standard topcoat
- **More Affordable.** Costs less than a 0.5 mil laminate
- **More Secure.** UV cured coatings provide edge-to-edge protection and the utmost tamper resistance. Unlike polyester patches, DuraShield can not be removed intact.



DuraShield Taber Testing



DuraShield™ — 2,000 cycles



1/2 mil Patch — 2,000 cycles

Double Topcoat — 2,000 cycles

CUSTOM LAMINATES

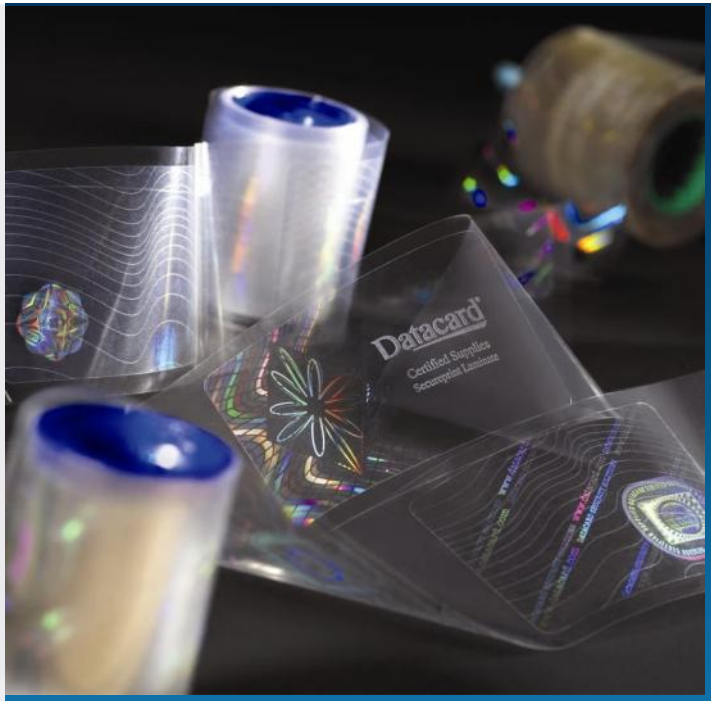
Enhance Security with Custom Laminates

Many customers have current holographic laminates to enhance security in their card program

To upgrade to the new SD460™ Card Printer a re-origination of their design will be necessary.

We will have special limited time promotions in place to waive these re-origination fees with the purchase of the new holographic laminates!

This is a great opportunity for customers to review the security of their card and consider their overlay and tactile impression options!



SUPPLIES

- **Color Ribbon Supplies**
  - YMCKT, 250 yield *
  - YMCKT, 500 yield *
  - ymcKT Short Panel, 650 yield
  - KT, 1000 yield
  - YMCKT-K, 375 yield **
  - YMCKT-KT, 300 yield ***
  - KTT, 750 yield
  - YMCK 500 yield ****
  - YMCK-K 500 yield
  - YMCKF-KT 300 yield (SD460 only)
- **Monochrome Ribbon Supplies**
  - Black, 1500 yield
  - Dark Blue, White, Red, Green, Silver and Gold, 1500 yield
  - Metallic Silver & Gold, 1500 yield
  - New, Improved Scratch-Off, 1500 yield
- **Cleaning Supplies**
  - Cleaning Cards
  - Print Head Cleaning Swabs
  - Cleaning Sleeves
  - User Adjustable low ribbon & cleaning alerts

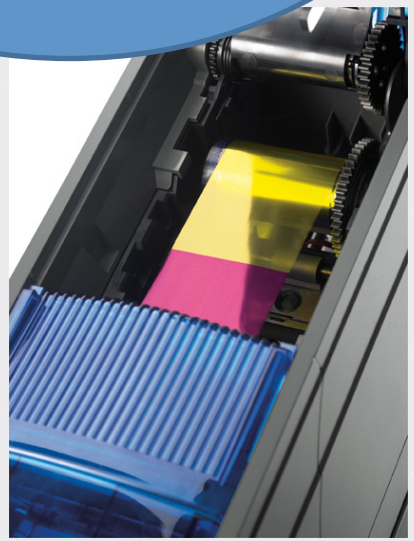
Split the ribbon and save!

* YMC front & KT back
YMCT front & K back
K front & YMCT back

** K front & YMCKT back

*** KT front & YMCKT back

**** YMC front & K back
K front & YMC back



SR200 & SR300 RETRANSFER CARD PRINTERS

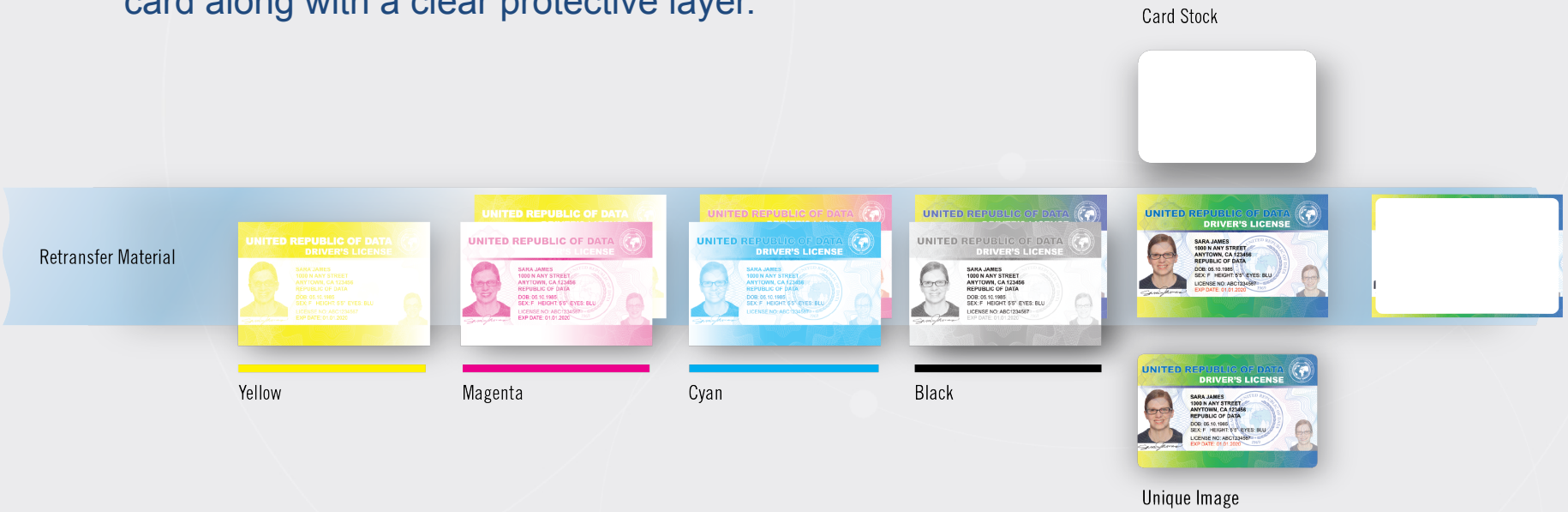
SECURE ISSUANCE ANYWHERE

DatacardGroup

DATACARD® SR200 & SR300 RETRANSFER CARD PRINTERS

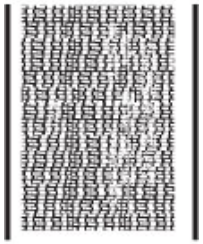
RETRANSFER TECHNOLOGY

- Issue highly durable cards with excellent photo quality.
  - Two-step process for better image quality and durability for smartcard applications or irregular card surfaces.
    1. Dye sublimation print head impresses high-resolution image onto a layer of retransfer film.
    2. Printer uses heat and pressure to transfer the image to the card along with a clear protective layer.



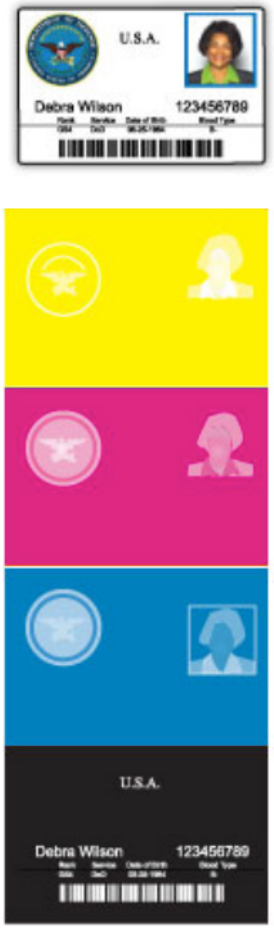
RESIN SECURITY ERASE ENHANCES SECURITY

- The SR200 & SR300 safeguard sensitive data with security erase of black panel text on ribbons:
  - Protects sensitive cardholder data by obscuring the data on the used retransfer film
  - Prints random pattern using the K panel onto the retransfer ribbon to obscure printed information

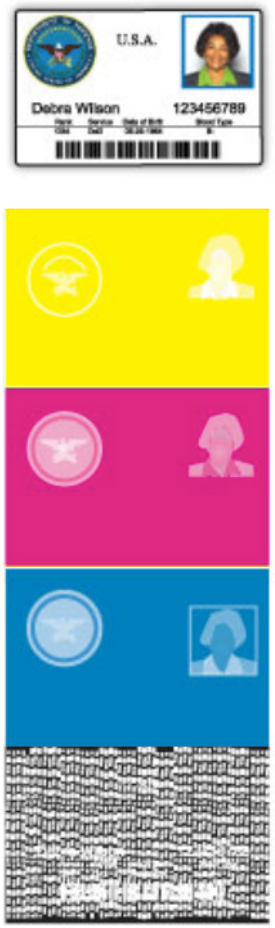


Retransfer ribbon after using security erase feature

(Available on YMCK ribbons only)



Finished card and ribbon without security erase



Finished card and ribbon with security erase

OPERATIONAL BENEFITS

- **Enhance program security & card durability**
  - IP sec ensure secure data transfer to the printer
  - Safeguards sensitive data with security erase of black (K) panel text on the ribbons
- **Reduce costs**
  - Use existing card stock to generate secure, personalized cards
  - Improve operational efficiency by using blank cards stocks to generate standard or customized cards
  - Prints on a wide range of card types such as PVC, PET, PET-G and polycarbonate

SPECIFICATIONS

Print	Over-the-edge, 300 dpi dye sublimation retransfer High quality full color images
Print Speed	Single-sided (YMCK): 100 cph Dual-sided (YMCKK): 55 cph
Input/Output Capacity	100 cards
Card Type	PVC, PET, PET-G and polycarbonate 10-40 mils card thickness
Contact/Contactless Smartcards	Full-to-chip printing, ISO 7816, ISO 14443 A/B, ISO 15893, MiFare, Felica, iCLASS (read), iCLASS (Read/Write), PC Prox
Supported O/S	Windows® XP, Vista, Windows 7 (32 & 64 bit), Server 2003, Server 2008
Options	Single or dual-sided laminator, magnetic stripe/smart card encoding, Bend Remedy Kensington locks

*Please refer to smart card reader user manual for the full list of protocols supported

DATACARD RETRANSFER PRINTER SUPPLIES

Datacard® Certified Supplies

- Retransfer Film, 1000 single sided or 500 dual sided images
- Color Ribbons
  - YMCK, 1000 yield
  - YMCK-K, 750 yield
  - YMCKi, 750 yield
  - YMCKUV, 750 yield

- Cleaning Supplies
  - Cleaning card, 10 cards/pack
  - Cleaning card for Magnetic Head, 10 cards/pack
  - Cleaning swab, 5 pack

DATACARD LAMINATES AND OVERLAYS

- Datacard® DuraGard® Laminates
  - 0.5 & 1.0 mil Clear, 600
  - 0.6 & 1.0 mil Secured, 600

- Clear Topcoat, 1000 yield

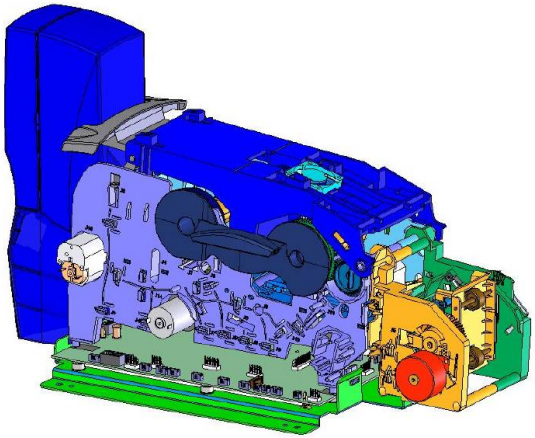
SP55K

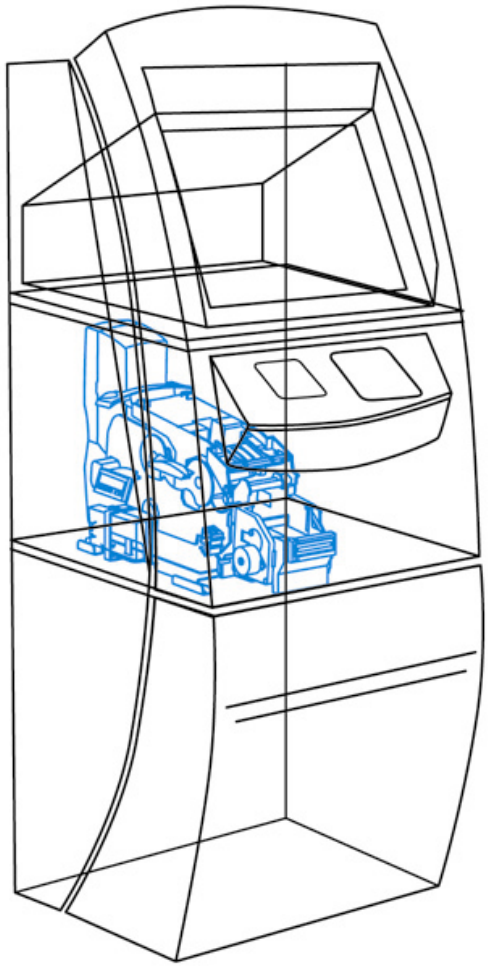
SECURE ISSUANCE ANYWHERE

DatacardGroup

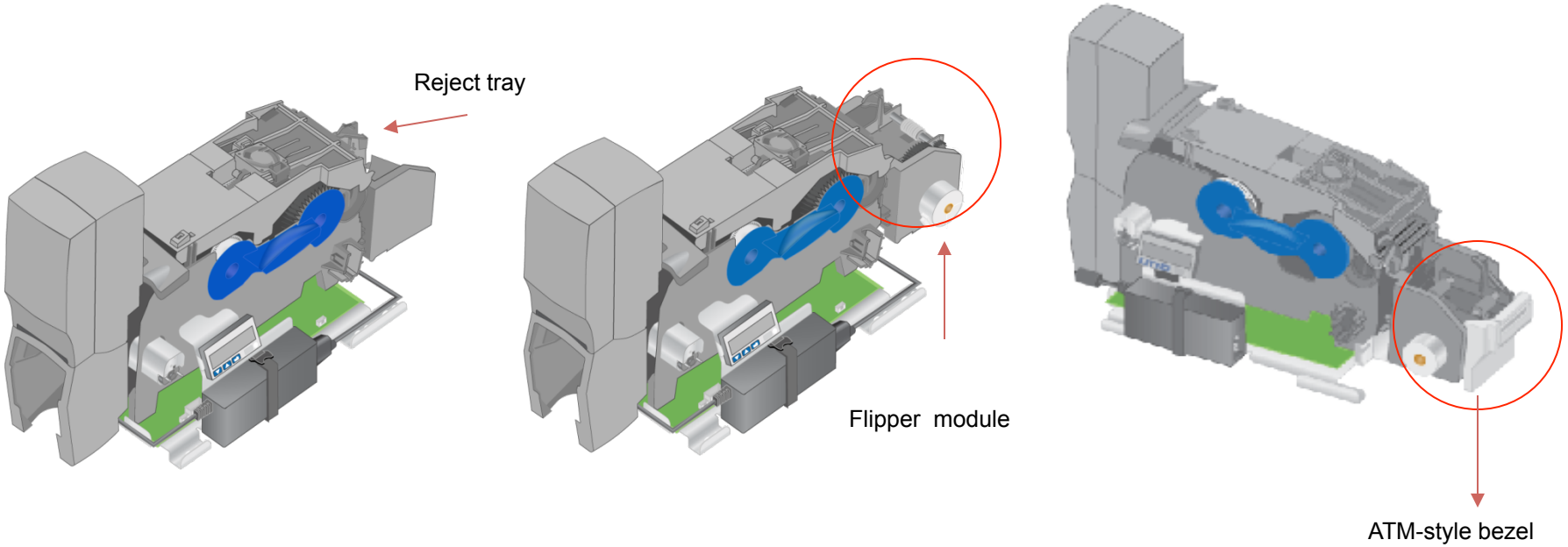
SP55K KIOSK PRINTER SOLUTION OFFERING

Highly reliable printer with a metal mounting frame that will allow kiosk integrators to position the printer securely into the kiosk housing and meet the market demand for on site kiosk style card distribution.





KEY FEATURES



Simplex Configuration:

One-sided card printing

Issue cards from hopper end or duplex end

Send rejected cards to reject tray or output hopper

Duplex Configuration:

One- or two-sided card printing

Issue cards from hopper end or duplex end

Send rejected cards to duplex end or output hopper

Set card output angle at duplex end

Duplex Configuration with ATM-style bezel:

One- or two-sided card printing

Issue cards from ATM-style bezel

Retract cards left in bezel with selectable time before retraction

SUPPLIES

AN OVERVIEW

Colour & Monochrome Ribbons

Ribbon Low

Ribbon Saver

Automatic supply specific printer setting alterations

Overlays

Datacard DuraGard® laminates

- Virtual edge-to-edge lamination with the largest CR80 size laminate available
- Maximum durability for long-life cards
- Generic or customized

Edge-to-edge topcoats

- Complete card coverage
- Off the shelf or customized offerings

Why Security Supplies???

Buy your own ID from the streets of Bangkok, Thailand

MULTIPLE LAYERS OF SECURITY

Used throughout the industry, the Security Feature Level refers to how secret the feature is, as well as who uses it and how:

LEVEL 1 (OVERT)

a *visible* feature which may be used by anyone with little or no training and without any additional device

e.g. Hologram, guilloche security printing

LEVEL 2 (COVERT)

a *hidden* feature which requires some knowledge and a simple device to use

e.g. UV-fluorescence ink, microtext

LEVEL 3 (FORENSIC)

a *deeply hidden* feature which requires specialist knowledge and equipment to use

e.g. Laser Retrievable elements, nanotext

OPTIGRAM® TE™

NEW & INNOVATIVE TAMPER EVIDENCE

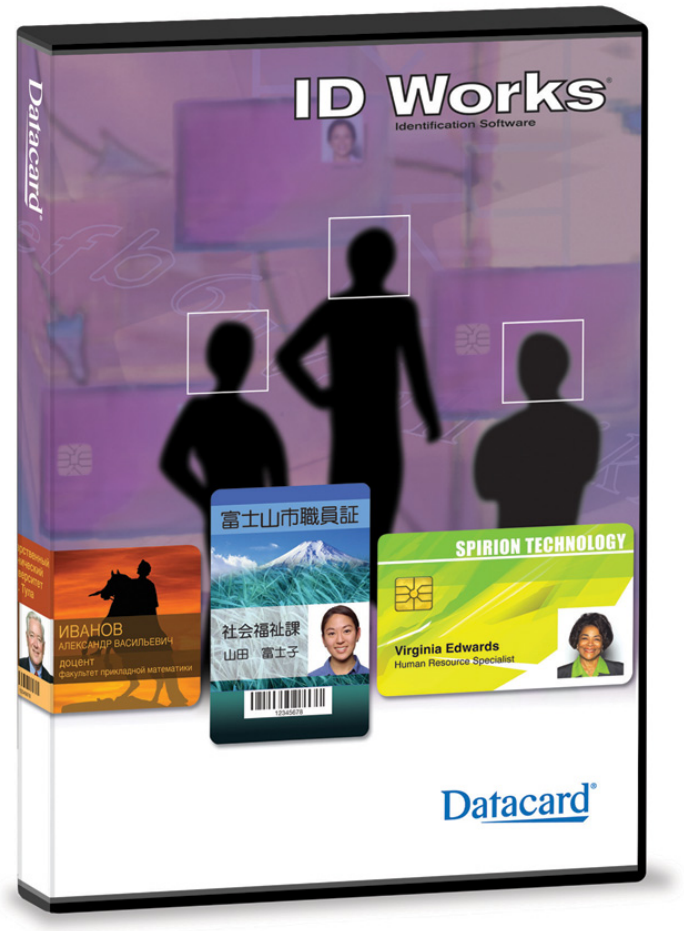
Advanced tamper evident technology provides an additional overt visual record of any fraudulent counterfeiting or alteration attempts. The design features concentric die-cut security patterns that make complete removal of the security laminate virtually impossible.

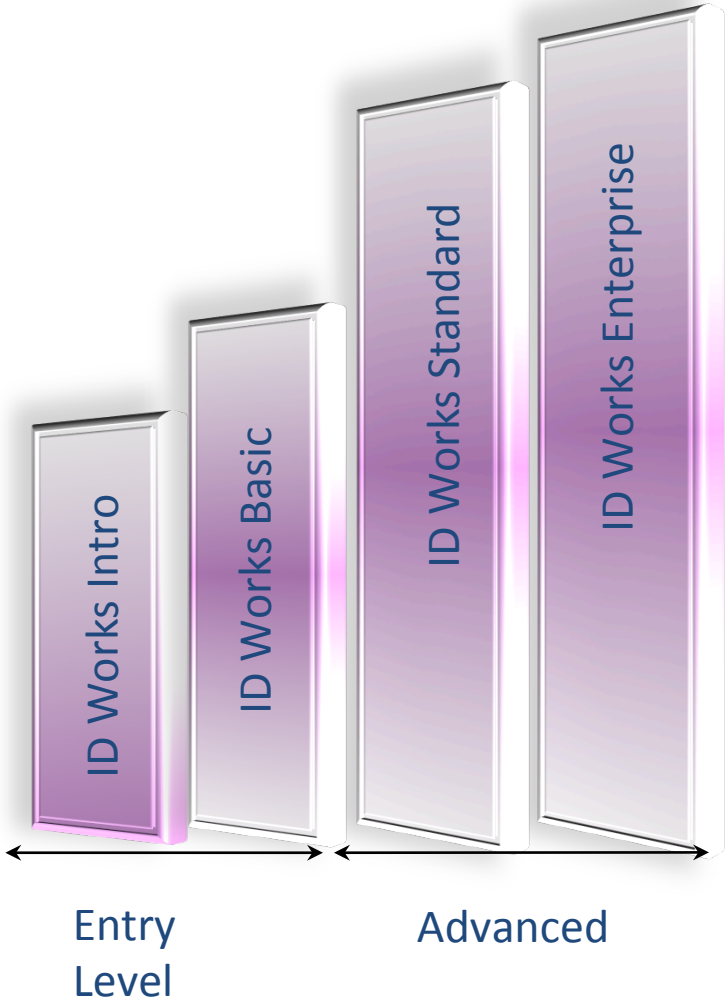
Tamper evident feature
This overt feature provides quick and readily apparent tamper evidence. Die-cut design makes it virtually impossible to remove without destroying the laminate.

Government ID
Available to government agencies for use on secure ID cards

SOFTWARE

IDWORKS


ID Works
Identification Software
Datacard
富士山市職員証
SPIRION TECHNOLOGY
Virginia Edwards
Human Resource Specialist
ИВАНОВ
社会福祉課
山田 富士子
Datacard


ID Works Intro
ID Works Basic
ID Works Standard
ID Works Enterprise
Entry Level
Advanced

IDWORKS VERSION OPTIONS

Datacard ID Works Identification software	Intro	Basic	Std	Ent
IMAGE FILE INPUT	X	x	x	X
CS-100 CAMERA	X	X	X	X
TRU PHOTO SOLUTIONS	X	X	X	X
TWAIN CAPTURE/VIDEO FOR WINDOWS	X	X	X	X
MAGNETIC STRIPES & BAR CODES	X	X	X	X
GHOST OPTIONS FOR PHOTO FIELD		X	X	X
TEXT FILE IMPORT/EXPORT TO MS ACCESS		X	X	X
MODULAR PACKAGES FOR CARD DESIGN AND PRODUCTION			X	X
TRU SIGNATURE			X	X
MULITIPLE TABLE ODBC DATABASES			X	X
SDK SUPPORT			X	X
PROXIMITY CARD PLUG IN FOR SMART CARDS			X	X
TRU FINGERPRINT (MINUTIA)				X
SASI & LIFETOUCH PLUG INS				X
BIOMETRIC DEVICE SUPPORT				X

IDWORKS SDK

- The ID Works Software Developer's Kit (SDK) lets you start with the ID Works software module that best matches your current needs
- Allows you to create a more customized solution with features and functions specifically designed to suite your card issuance program.
- Includes Manual and CD with sample code

DATACARD DSLR CAMERA PLUG-INS

- **Offers facial capture functionality in ID Works**
- **Currently compatible with 14 Canon® DSLR cameras**
- **Key Features**
  - Live Video Streaming
  - Auto-capture
  - Auto-crop
  - Manual Capture
  - Manual Crop

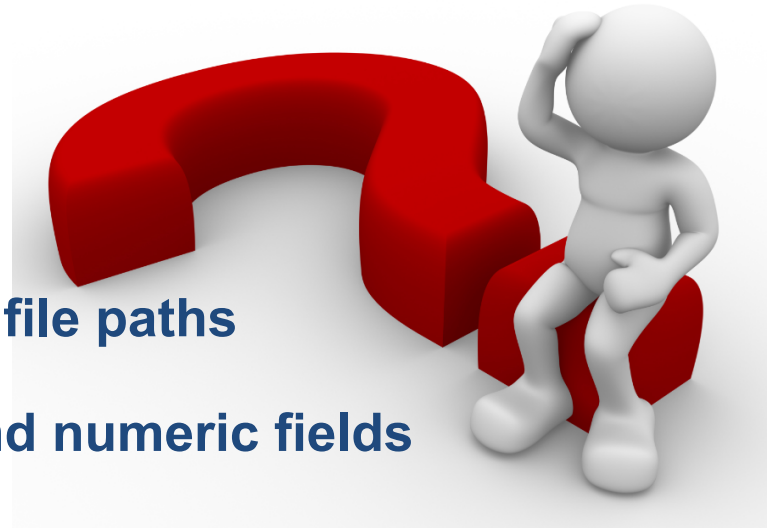
Canon EOS-1D Mark III
Canon EOS 40D
Canon EOS-1Ds Mark III
Canon EOS 450D/Rebel XSi
Canon EOS 1000D/Rebel XS
Canon EOS 5D Mark II
Canon EOS 50D
Canon EOS 500D/Rebel T1i
Canon EOS 7D
Canon EOS-1D Mark IV
* **Canon EOS 550D/Rebel T2i**
* **Canon EOS 60D**
* **Canon EOS 600D/Rebel T3i**
Canon EOS 1100D/Rebel T3

WEBID PRODUCT OVERVIEW

- Web based access - Internet:
  - Verify identity from a central database
  - Enroll employees and customers
  - Capture photos, signatures, biometrics and demographic data
  - Remote or central issuance of ID and loyalty cards
  - Display and print reports
  - Multiple security levels – user interface, database access by passwords
- Server based software licensing
- Interface with ODBC compliant databases
- Configurator “Wizard” for customizing user interface

WEBID FEATURES

- **Password security — record and field access**
- **Multiple images per data view**
- **Multiple data sources**
- **Multiple data views and multiple data view pages**
- **Powerful report designer**
  - Report saving features – as PDF, password protect and encrypt
- **Configurable and customizable**
  - Graphical user interface, menus, prompts, data fields, views, logos and graphics
- **ODBC compliant databases like:**
  - Oracle 9i and 10g
  - Microsoft Access 2000/2003
  - Microsoft SQL Server 2000/2005
- **Supports storing images as BLOBs or file paths**
- **Advanced search capability on date and numeric fields**



THANK YOU

www.datacard.com

SECURE ISSUANCE ANYWHERE

DatacardGroup